

## SOME PROBLEMS FOR TEACHERS

Applicants for County Certificates Asked to Solve Them.

EXAMINATION HELD SEPT. 4, '09

Prepared by the State School Commissioner to Test the Mental Qualifications of Those Who Seek Positions as Teachers in the Public Schools.

Following is the list of questions as prepared under direction of the state commissioner of public schools, and submitted at the county examination for teachers Sept. 4, for elementary school certificates:

### THEORY AND PRACTICE.

1. Give the legal requirements in the employment of a teacher.
2. What is meant by the term *feeling*? How does it affect, or influence, learning?
3. What qualities in a teacher does good government demand?
4. By what principles should the teacher be guided in the inflicting of punishment? Why punish?
5. Explain fully the election of members of the school-board in your district.
6. How do you manage supplementary reading in your school? Why use it?
7. What are the essentials of a course of study? Why use a course of study?
8. What is *reproduction* of a lesson? What should be the aims of a teacher in having this done?
9. What is a test? What is its value? Why use it?
10. What is meant by the *art of teaching*? By tact in teaching.

### ARITHMETIC.

1. A fifty-four gallon cask is 5-6 full; 131-2 gallons more are drawn off. What fractional part of the cask is yet full?
2. Divide \$12.45 among 14 boys and 9 girls so that each girl gets 3-4 as much as each boy.
3. What must I pay for 6% stock so as to realize 8% on my investment?
4. Find 40% of 800, and divide the result by 0.004.
5. A man bought a suit of clothes upon which the merchant made a profit of 25% after deducting 25% from the asking price. If the man paid \$18 for the suit, what was the cost price to the merchant? The asking price?
6. What will 20 planks cost 16 feet long, 12 inches wide, and 2 1/2 inches thick at \$37.50 per M?
7. Mr. Gann's property is valued at \$5,750; if it is assessed at 4-5 its value and the tax rate is 16.8 mills on the dollar, what are his taxes?
8. A rectangular field containing 7 1/2 acres, has its width 3/4 of its length. What will it cost to fence it at \$1.75 per rod?
9. A and B have together \$84. 7-20 of A's equals 7-8 of B's. How much has each?
10. Find the exact amount due September 4, 1909, at any legal rate of interest on our state, on a note of \$630, given January 1, 1908.

### WRITING.

1. Give the principles of the system of penmanship that you use. (10%)
2. How teach proper movement to pupils. (20%)
3. Your writing on this manuscript will be graded for the remaining (70) per cent.

### UNITED STATES HISTORY, INCLUDING CIVIL GOVERNMENT.

1. Tell of the career of Samuel Champlain. Why were the Indians favorable to him and his nation?
2. What can you say of Napoleon and his connection with American history during Jefferson's administration?
3. Define history, civil government, excise tax, habeas corpus, and revolution.
4. What are at least three requirements of the elective franchise in Ohio? What do you understand by the primary election law?
5. Discuss the treaty that closed the war of 1812.
6. Relate the troubles between the President and Congress at the close of the Civil war.
7. Of what importance was the Boston Massacre? Describe it fully.
8. Give a very important event for each of the following dates: 1619, 1739, 1763, 1777, 1787, 1792, 1803, 1832, 1850.
9. What do you regard as the most important recent event in American history? Why is it important?
10. What congress was recently in session? Was it a regular, or a special session? What did it do? What caused the great length of the session?

### LITERATURE.

1. Name two authors who have written on the subject of government; on the subject of science; on the subject of the Indians; on the subject of biography. Tell of one of these as fully as you can.
2. Who were the gleaners? The "Lake School of Poets"? Give an account of either of them.
3. Who was the first of America's poets of note? The first of her noted historians? Name a writing of each of them.
4. What English writers were contemporaneous with the Colonial period of American literature? How did the English literature of this time affect the literature of America?
5. Who wrote "The Old Oaken Bucket"? "The Rape of the Lock"? "The Old Swinburn Hole"? "The Spy"? "Lucile"? Describe one of these writings.
6. Name a classic appropriate for an eighth grade to study. Give a synopsis of it. Quote from it.
7. What is "Howe's Historical Collections of Ohio"? "The Leather Stocking"?

1. How are either of these valuable in literature?  
9. Tell something of an Ohio author. Of your favorite novelist.  
10. What are the characteristics of the literature of the present day? Name recent productions of any kind that are classed as good matter to read.

### GEOGRAPHY.

1. Trace a canal across Ohio. How has it been useful?
2. What can you say of the geography of the Yukon? Of Seattle? How are these interesting at this time?
3. Give the occupations of the people of the Scandinavian peninsula. What are the products of this peninsula?
4. Locate five counties of Ohio with Indian names, and three more named for great men. Give the county seats of each of these.
5. Trace a prominent railroad route across the United States, naming the largest cities and the products along the line.
6. Locate any five of the following and tell something about each you locate: Nairobi, Zealand, Barcelona, Melilla, Pines, Tyrol, Kiel Soudan.
7. Give the exports and imports of Southern Africa.
8. Compare Mexico and Italy in size, people, climate, government, and products.
9. What is the government of the Philippine Islands? Their capital? Their chief products?
10. Explain the source, course, and influence of the Gulf Stream.

### PHYSIOLOGY.

1. Give the processes of digestion and the results of each process.
2. Name the coats of the eye and give their uses.
3. What would you do for a pupil with an artery cut in the wrist?
4. What is the peritonium? The dura mater? A hemorrhage? The pleura?
5. Name some very strong narcotics. Give their effects.
6. What are tubercular germs? How overcome? What results from carelessness concerning them?
7. What is a poison? What would you do if some one had just taken a poison?
8. How does alcoholism affect a very young person? How does it affect the stomach and its offices?
9. Give the relations between breathing and good health. Between proper mastication and good health.
10. In what way does bacteria affect the health? How does the action of the kidneys affect the health?

### GRAMMAR.

1. What is meant by a good English sentence? Write three good complex sentences.
2. What are the distinct qualities of a good letter? How get your pupils to produce these qualities?
3. Distinguish between participles and verbal adjectives. Illustrate.
4. Write sentences showing that (a) as an adjective; (b) as a conjunction; (c) as a relative pronoun; (d) as an expletive.
5. Give the feminine gender of monk, cockerel, marquis, Monsieur, poet, wizard, hero, Infante.
6. Write two sentences using phrases in the relations of nouns. Point out the subjects and predicates of these sentences.
7. What parts of speech connect clauses? Give examples.
8. Explain and give examples of the passive form of a verb of a restrictive clause; of an appositive.
9. Analyze the following sentences: "I said my nearer brother pined; I said his mighty heart declined. He loathed and put away his food." It was not that "twas coarse and rude. For we were used to hunter's fare, And for the like had little care."
10. Parse "his" and "food" in the third line; parse "twas" and "rude" in the fourth line; parse "like" in the last line.

### READING.

The examiners will conduct the examination in this subject as they plan. There ought to be some test in the theory of reading and in the teaching of the subject.

### ORTHOGRAPHY.

1. Give the substitutes for "a" broad. Also for "a" long.
2. Define synonyms, homonyms, and antonyms. Give examples of each.
- 3-4. Classify words in full.
5. Mark diacritically: data, chalice, defamation, duly, cellibacy.
6. Define articulation and enunciation, and distinguish between them.
- 7-10. Spell correctly as the examiner pronounces: merchandise, lieu, jostle, disconcerting, indelible, garage, scion, retrieve, negligence, coincide, rescind, draughtsman, phase, casual, athlete, Rhodesia, Walbouding, Guernsey, Kelleys Island, glacier.

### Lightning Makes Trees Explode.

Lightning makes trees explode like overcharged boilers. The flame of the lightning does not burn them up, nor does the electric flash split them like an ax. The bolt flows through into all the damp interstices of the trunk and into the hollows under its bark. All the moisture at once is turned into steam, which by its immediate explosion rips open the tree.

### Precious Stones in India.

The precious and semi-precious stones mined in India are the diamond, ruby, sapphire, spinel, tourmaline, garnet, rock crystal and various chalcidonic forms of silica, jadeite and amber. The ruby and jadeite are the only stones produced in India of considerable value.

### Hospitals in Germany.

There are in Germany about 7,500 hospitals, in which 1,200,000 patients are annually treated. Adding to these the inmates of private sanatoria and patients treated at home, it is estimated that all times one person in 60 of the population is seriously ill.

### Ruby Mining in Upper Burma.

Ruby mining is carried on in Upper Burma, and next to petroleum is the most profitable of the mineral resources of the state, the value of the product being about \$500,000. One ruby of 77 carats, taken out a few years ago, was valued at \$135,330.

### HE READ HIS MAN.

Lincoln's Rebuke to a Visitor Who Would Not Meet His Gaze.

As I came up to the railing in front of the president he was reading a paper that had just been presented to him by a man who sat in the chair opposite him and who seemed by his restlessness and unsteady eyes to be of a nervous disposition or under great excitement.

Mr. Lincoln, still holding the paper up and without movement of any kind paused and, raising his eyes, looked for a long time at this man's face and seemed to be looking down into his very soul. Then, resuming his reading for a few moments, he again paused and cast the same piercing look upon his visitor.

Suddenly, without warning, he dropped the paper, and, stretching out his long arm, he pointed his finger directly in the face of his vis-a-vis and said, "What's the matter with you?"

The man stammered and finally replied, "Nothing."

"Yes, there is," said Lincoln. "You can't look me in the face! You have not looked me in the face since you sat there! Even now you are looking out that window and cannot look me in the eye!"

Then, flinging the paper in the man's lap, he cried: "Take it back! There is something wrong about this! I will have nothing to do with it!" And the discomfited individual retired.—T. B. Bancroft in McClure's Magazine.

### ORIENTAL PARAGONS.

Japan's Four and Twenty Models of Filial Piety.

Filial piety, as is well known, is the special virtue of China and Japan. From it springs loyalty to the emperor, who is regarded as "the father and mother of his people." There are no greater favorites with the Japanese than the "four and twenty paragons of filial piety," whose acts of virtue are the subjects of Chinese legend.

One of the paragons was a cruel stepmother, who was very fond of fish. Never repining at her cruel treatment of him, he lay down on the frozen surface of a lake. The warmth of his body melted a hole in the ice, at which two carp came up to breathe. These he caught and took home to his stepmother.

Another paragon, who was of the female sex, clung to the jaws of a tiger that was about to devour her father until the latter escaped.

The droollet of all these stories is that of Rorashi. This paragon, though seventy years old, used to dress in baby's clothes and crawl about on the floor, his object being to delude his parents, who were really over ninety years of age, into the idea that they could not be so very old, after all, as they had such an exceedingly infantile son.—Sunday Magazine.

### Caught Them All Around.

A Moslem ruler spoke to his people one Friday from the pulpit in the market place.

"People, what shall I preach to you about today?" "We do not know," they replied. "Well, if you don't know I shall not tell you." And down he came from the pulpit. There was no sermon that Sabbath.

The next week the old inquiry was made, and the people rejoined, "We know." When the royal preacher said, "If you know you do not need me to tell you." And again an abrupt close to the services.

The third week the people were more wary and replied, "Some of us know, and some do not know." And now they expected to trap the man, but he was wiser than they thought. "Let those who know tell those who do not know," came his utterance, and the people were trapped instead.—Boston Post.

### A Rat's Tail.

A rat's tail is a wonderful thing. The great naturalist Cuvier says that there are more muscles in this curious appendage than are to be found in that part of the human anatomy which is most admired for its ingenious structure—namely, the hand. To the rat, in fact, its tail serves as a sort of hand by means of which the animal is enabled to crawl along narrow ledges or other difficult passages, using it to balance with or to gain a hold. It is prehensile, like the tails of some monkeys. By means of it the little beast can jump up heights otherwise inaccessible, employing it as a projectile spring.

### Hurt Worse Than the Razor.

The Barber—You've got a nasty, deep lot of crow's feet, sir, and them lines runnin' down from the corners of the mouth is somethin' fierce. A massage—The Patient (fiercely)—You've got a hump like a camel and a chest like a doughnut, and I don't believe, with legs like those, you could stop an elephant up an alley, let alone a pig. Put, hang it, man, do you want to be reminded of it every time you get a shave?—New Orleans Times-Democrat.

### Evils of Tobacco.

An illustration of the evils resulting from the use of tobacco is found in the life of a Georgia man of eighty-two years who has chewed since he was eleven and is now the father of twenty-five children. Cut out tobacco, young man.—Clio (Ala.) Free Press.

### Willing to Try It.

"A fool and his money are soon parted," quoted the pessimist. "Yes," rejoined the optimist, "but it's worth while being a fool to have the money to part with."—Chicago News.

### Family Prescience.

Nearly every family picks the wrong member for the fool.—Life.

### A BUCKET OF WATER.

In Right Place When Needed It Will Prevent a Conflagration.

A single bucket of water—even a cupful—thrown on a blaze at its start often does more good than a reservoir full ten minutes later. And yet in not one out of a thousand American homes is a single bucket of water dedicated to fire protection. The only excuses for this negligence are ignorance, carelessness, total disregard of property and life. Poverty may explain the absence of structural protection, but no one who has a home is too poor to afford a bucket of water. Even 25 cents spent for fire pails will measurably increase for years the safety of a house and that of its inmates. And the only attention this very effective fire apparatus will need is an occasional refilling from the pump or tap.

The virtue of the bucket of water kept exclusively for fire purposes is that it is always there when you look for it and always full of water. There is, to be sure, lots of water around the house (except when the pipe or pump has frozen), but by the time one can find a bucket, take it to the tap or pump, wait for it to fill and then take it back to the fire not one bucket but ten are needed. If, however, you can dash into the hall, seize a ready filled bucket and smother the blazing curtain, all within twenty seconds, one bucket generally will be more than enough, as good as a whole fire department and far less destructive than its superfluity of water.

The family that cares anything at all for its belongings should keep at least one bucket of water on a little bracket in the hall on each floor and another bucket in the garret. Down cellar there should be a barrel of water and a bucket not far from the furnace. The water in the garret or cellar may be kept from freezing in cold weather by adding common salt.—Exchange.

### In the Interest of Good Eyes.

A noted oculist advises against using the eyes immediately after waking; therefore the habit of many young girls of reading or studying in bed is injurious. It is harmful to use the eyes when sleepy, as it is a great strain upon the muscles. If one must read or write when drowsy, rise occasionally and bathe the eyes with hot or cold water. Remember that a quick change from a dark room to a brilliant light is a strain upon the eyes.—New York Press.

### The Prayer He Didn't Make.

In a certain parish near Dumfries a newly made elder was summoned to the sickbed of a parishioner. Being naturally a bashful man, he was in great anxiety as to the "prayer he would have to plit up" and wished to avoid going altogether. At length he was persuaded by his wife and started on his errand. On his return his wife greeted him with the query: "And how did ye get on, William?" "Oh, grand! He was deid."—Dundee Advertiser.

### Legal Notice.

Electa Shockey, whose place of residence is unknown, late of Highland County, Ohio, will take notice that on the 28th day of July, 1909 Homer Shockey filed his petition in the Common Pleas Court of Highland County, Ohio, in case No. 8801, against the above named Electa Shockey, praying for a divorce on the grounds of gross neglect of duty.

Said cause will be for hearing on or after six weeks from this September 2, 1909, the date of this first publication.

HOMER SHOCKEY, Plaintiff.

JAMES A. WILKIN, Attorney.

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|-----------------------|---------|
| 5:25                  | 6:30    |
| 7:25                  | 7:25    |
| 9:25                  | 9:25    |
| 10:25 Barn only       | 10:25   |
| 12:25                 | 11:25   |
| 2:25                  | 12:25   |
| 4:25                  | 2:25    |
| 6:25                  | 4:25    |
| 8:12                  | 6:25    |
| Daily Except Sunday   | 7:25    |
|                       | 8:25    |

SIMON HIDER,

### THE FLORIST.

For Your Flowers.

Departing Guest—Well, I've had a delightful time.

Hostess—I'm so glad. At the same time I'm sorry the weather kept all our best people away.—London Opinion.

Baron Goto, minister of communications, is investigating the advisability of transporting mail by automobiles in the principal cities of Japan, and also possibly to distant points where railway traffic is not yet opened.

"My boy," said the head of the firm, "I've noticed that you have a great head for figures, although you don't seem to be able to spell or write at all. How does it happen?"

"I studied 'rithmetic," replied the office boy, "cause I wanted to know how to figure the battin' average."—Chicago Record Herald.

Bermuda producers are beginning to find it more profitable to meet the wants of the increasing influx of visitors than to compete with the Gulf and South Atlantic truck farmers in the New York markets.

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| 1 Extra prize for Indiana                             | 75.00      |
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### Legal Notice.

Walter Knapp, whose place of residence is unknown, late of Hamilton county, Ohio, will take notice that on the 28th day of July, 1909, Ocie Knapp filed her petition in the Common Pleas Court of Highland County, Ohio, in case No. 8802, against the above named Walter Knapp, praying for divorce on the ground of gross neglect of duty and restoration to her maiden name of Ocie Emery. Said cause will be for hearing on or after six weeks from the 8th day of August, 1909, the date of this first publication.

Ocie Knapp, Plaintiff.

JAMES A. WILKIN, Attorney.

Mrs. Hayseed (indignantly)—Here's an article, Hiram, that sez in Formosa a wife costs \$5.

Mr. Hayseed (after some thought)—Wa-al, I reckon a good wife's wuth it!—Judge.

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